

Date: Thu, 1 Jul 93 10:51:13 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #805  
To: Info-Hams

Info-Hams Digest                      Thu, 1 Jul 93                      Volume 93 : Issue 805

Today's Topics:

20m hot on FD (was Re: Field Day: a bummer!)  
30M Worked-All-States confusion  
Closed Autopatches  
Computer interface for Yaesu FT757GX  
FT-202R  
Help building amp and will trade  
Mail Returned - Invalid NWD1 mail ID (14 msgs)  
Mods for Heath HW-24 or HW-24H Please!!  
Need Info On HP 612A Signal Generator  
Number for W & W Associates Needed  
Poster of the frequency spectrum  
power supply for Alinco DR-1200T?  
QST  
Radio Stores in Huntsville, AL

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 1 Jul 1993 15:04:16 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!noc.near.net!  
news.bbn.com!bbn.com!levin@network.UCSD.EDU  
Subject: 20m hot on FD (was Re: Field Day: a bummer!)  
To: info-hams@ucsd.edu

tcline@hplvec.LVLD.HP.COM (Ted Cline) writes:

20 meters (SSB) was very good for us as well at N1NH. We had

excellent reports from the northwest and the southwest, which the 4 element monobander at 70 feet pointed south of west had a lot to do with. This was my second field day (last year was at the novice/tech station) and I had a blast. Sharing the duties with an experienced operator was most educational; I may have tripled the number of phone contacts I could complete in an interval of time. And it was fun being on the other side of the pile-ups ("station with Oscar Yankee stand by; Alpha Charlie Six, copy fifteen-Alpha New Hampshire, qsl?"). We wound up with almost 1300 contacts on 20ssb.

Except for some ground-wave stuff we got few contacts in New England, hardly any in 2-land or 3-land except Pennsylvania. We got just about every other section further out, including PAC and MAR.

|Last year our Novice/Technician station (N0RQV) made 85 contacts on 10 meter phone while the band was open.

|This year our Novice/Technician station (N0RQV) made 672 contacts on 10 meter phone. The band was open from 12 noon until about 9:30PM MDT and |again from 10:45AM to 12 noon MDT. We ran about 90 watts USB and we |couldn't talk fast enough.

We broke our own records in the N/T station too (N1NYT). It was clearly sporadic-E, judging by the regions to which openings came and went; something like 347 contacts, almost all 10m SSB. The station was running 100 watts (I think) into a monobander about 40 feet up.

/J

=

Nets: levin@bbn.com | "Earn more sessions by sleeving."

pots: (617)873-3463 |

KD10N (@KB4N.NH.USA) |

-- Roxanne Kowalski

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Date: 1 Jul 93 16:51:44 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 30M Worked-All-States confusion  
To: info-hams@ucsd.edu

For the person that earlier posted that 30M contacts don't qualify for WAS, read the following obtained from the ARRL information server:

> 2. Two-way communications must be established on amateur bands with  
> each state. Specialty awards and endorsements must be two-way (2X) on  
> that band and/or mode. There is no minimum signal report required.  
> Any or all bands may be used for general WAS. The District of  
> Columbia may be counted for Maryland.

Not only is 30M a great band, but contacts made on it count for DXCC and WAS.

73,  
Scott WA2CJT  
(only 6 more to go for CW WAS)

--

Scott Ginsburg	Voice: 508-436-3836
Wellfleet Communications	Internet: ginsburg@wellfleet.com
2 Federal St.	Amateur Radio: WA2CJT
Billerica, MA 01821	Packet: wa2cjt@n0ary.#nocal.ca.usa.na

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Date: Thu, 1 Jul 1993 15:35:04 GMT  
From: agate!linus!linus.mitre.org!mwvm.mitre.org!m14494@ames.arpa  
Subject: Closed Autopatches  
To: info-hams@ucsd.edu

Conway Yee writes:

> I have a question regarding the FCC regulations concerning closed  
> autopatches.

Repeaters and autopatches are private property, owned and operated by individuals or groups. You cannot compel or require them to allow you to use their equipment. Also, they get to set the rules for use, including providing a license copy, or standing on your head and whistling Dixie if that's what they want. You, of course, get to choose whether or not you want to play along; you chose not to, and that's ok. But you shouldn't get grumpy about not being able to use \*their\* repeater station. Note that the \*frequencies\* involved belong to everyone; repeater coordination is strictly voluntary. You are technically free to use the input and output frequencies for your own purposes, subject to the regulations and customs about interference. If you want to make the rules, then set up your own repeater. But if you want to use someone \*else's\* repeater, then you should expect to have to follow their rules.

Mike, N4PDY

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\* These are my opinions only       \*  
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Date: Thu, 1 Jul 1993 15:00:50 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!bgsuvax!att!cbnews!wrb@network.UCSD.EDU  
Subject: Computer interface for Yaesu FT757GX  
To: info-hams@ucsd.edu

In article <20t6bl\$4cu@eagle.lerc.nasa.gov> rpaulin@dinah.lerc.nasa.gov (Bob Paulin) writes:

>Does anyone have any circuits and/or software that can interface  
>my Yaesu FT757GX CAT Transceiver to my IBM computer.  
>I would like to use the computer for direct frequency entry into  
>the FT757GX.  
>  
>Thanks in advance.  
>Bob N8JDT  
>

As far as hardware, I wrote an article that appeared in the Feb 93 issue of QST describing interfaces for Yaesu, Icom, Ten-Tec, and Kenwood. The article includes a bit of background on interfacing also. The biggest problem with the 757 is that it has an oddball Molex type connector on the back. If you have the connector, you are in decent shape.

The interface I describe is buffered and uses a MAX232 chip. Others will say that this is overkill and you can use simpler methods. I agree - especially in this case. The 757 does not send data to the computer, it is a one-way connection from PC to the rig. Perhaps someone else will describe one of the simpler methods (i.e. a diode).

PD software is on a lot of BBSs. Try N8EMR's BBS (can't remember number but it is posted here periodically).

```
+=====+      Happy user of OS/2 2.0!  
| Wally Blackburn      |      Ask me about it!  
| wrb@ccsitn.att.com   |  
| AT&T MSD              |  
| Amateur Radio Station AA8DX    |      Clinton-Gore - Socialist Leadership  
| 614-575-6604          |      for the 90's!  
+=====+
```

-----  
Date: 1 Jul 93 15:44:26 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: FT-202R  
To: info-hams@ucsd.edu

Hi there,

This was my first amateur rig, and I still have it and it still works, except that when it gets cold the crystals move off frequency!

I have the manual which includes a schematic, and calculations for the crystal frequencies, and all that jazz. If you cannot find any help in the states, mail me with your snail mail address, And I'll put a photocopy in the post.

73!

Paul, GW7KES

Packet: GW7KES@GB70NV.#45.GBR.EU

Internet (Work): pdu@unixa.nerc-barry.ac.uk

Internet (Home): paul@gleep.demon.co.uk

-----  
Date: 1 Jul 93 08:45:29 CST  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!vax1.utulsa.edu!bma14432@network.UCSD.EDU  
Subject: Help building amp and will trade  
To: info-hams@ucsd.edu

Hello all,  
I need some help. I have the plans for a 2W amp I want to build which come with a picture of the circuit and a picture of the PCB layout. My problem is I don't have enough experience to go from the circuit to knowing where to place the parts on the PCB! I have etched the board myself already and have build other kits so I know I can do it. All I need is the PCB with the parts drawn on it(in the correct orientation:-)) I'd be more than willing to trade the plans for just such a diagram if anyone is interested in a challenge(I had to buy the plans for \$10.)  
Thanks in Advance

Mark  
bma14432@vax1.utulsa.edu

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu

Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

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Date: 1 Jul 93 15:06:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

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Date: 1 Jul 93 15:06:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

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Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

Date: 1 Jul 93 15:05:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Mail Returned - Invalid NWD1 mail ID  
To: info-hams@ucsd.edu

-----> Document Follows <-----

Date: 1 Jul 1993 11:01:11 -0400  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!gatech!news-feed-2.peachnet.edu!st6000.sct.edu!st6000.sct.edu!tjames@network.UCSD.EDU  
Subject: Mods for Heath HW-24 or HW-24H Please!!  
To: info-hams@ucsd.edu

[Reposted to rec.radio.amateur.misc because of lack of response on            ]  
[    rec.radio.amateur.equipment.  If you have already read this please    ]  
[    excuse.  Thanks.    ]

Hi there.  I have a Heath HW-24, a dual-band mobile rig, that I picked up at a ham fest two weekends ago.  I would like to know how to do the out-band-receive mod on this rig.  I have tried a couple of sites and the mod server with no luck.  If you can help me out I would really appreciate it.  Thanks in advance.

Thomas James, KD4APZ

PS  If you know of any more mods or features not documented in the manual for this rig I would appreciate them too.



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Thomas James, KD4APZ  
Southern College of Technology, Marietta, GA

Email - tjames@st6000.sct.edu

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Date: 1 Jul 93 14:56:59 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Need Info On HP 612A Signal Generator  
To: info-hams@ucsd.edu

Hey, I know this thing is old, but it does the job! However I recently had to troubleshoot this thing without a schematic, and replaced a handful of leaky tubular caps. The question is what are the two regulated supply voltages produced by this beast supposed to be adjusted to?? (I set them to +235v and -170v)

Also, the output of this 612 is pretty flakey when operated at frequencies below 600 MHz. Do I dare disassemble the cavity assembly in an attempt to resolve this problem?? (assumed to be dirty sliding shorts in the cavity sections)(No, not dirty undershorts)

Thanks in advance for any help on this!

\*\*\*\*\*

\* Namenet : Brad Moersfelder  
\* Hamnet : WB9FIP, Waukesha, Wisconsin  
\* Internet : bmoers@corp.qgraph.com

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Date: 1 Jul 93 14:49:14 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Number for W & W Associates Needed  
To: info-hams@ucsd.edu

> Date: 30 Jun 1993 12:16 EST  
> From: overload.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!  
magnus.acs.ohio-state.edu!usenet.ins.cwru.edu!lerc.nasa.gov!lerc.nasa.gov!  
lims01.lerc.nasa.gov!lwwald@dog.ee.lbl.gov  
> Subject: Number for W & W Associates Needed  
> To: info-hams@ucsd.edu  
>  
> The subject says it all...I called the 800 directory and didn't

> exactly get the number I was looking for!!

>

> Larry, KE8GW

>

> -----

>

Just happened to have that handy here..

W&W Associates

29-11 Parsons Blvd.

Flushing, N.Y. 11354

(800) 221-0732 in N.Y. (718)961-2103 Fax (718)-461-1978

--

73 de Todd

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Date: 1 Jul 93 13:50:05 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!  
cs.utexas.edu!uwm.edu!caen!sol.ctr.columbia.edu!news.kei.com!ub!dsinc!wells!  
tubasys!n3lms@network.UCSD.EDU

Subject: Poster of the frequency spectrum

To: info-hams@ucsd.edu

richard@alaska.et.byu.edu (Richard B. Christensen) writes:

> Anyone seen a poster describing the different band allocations?

> Richard

Check with your local amateur radio store. Icom makes some.

73

Mark/N3LMS

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=====\\=====
Mark P. Lindsay, N3LMS    \\
System Administrator      \\  "Minds, like parachutes, work only if open!"
wells.com!tubasys!n3lms   \\
=====\\=====
```

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Date: Thu, 1 Jul 1993 12:57:16 GMT

From: gsm001!gsm001.mendelson.com!gsm1rn@uunet.uu.net

Subject: power supply for Alinco DR-1200T?  
To: info-hams@ucsd.edu

In article <20qkon\$3bb@Panix.Com> xyzzy@panix.com (Daniel Drucker) writes:

>I just purchased the Alinco DR-1200T, my first radio bigger-than-a-handheld.  
>I'm going to need a power supply; but Ham Radio Outlet says their  
>"least expensive" would be \$109.

That;s about right for a new 12 volt 20 amp power supply.

>Is that ridiculous? (a real question) What should I expect to pay?  
>Does anyone have a power supply that they would give/sell to me  
>for a lot less?

Radio manufacturers tend to overrate the current requirements for their radios. I.e. I have a Yeasu 290r (rated at 10a) running on an old computer power supply rate at 4 amps at 12v. It works fine.

Since the 1200T is a 25 watt transmitter I would expect that an AT class personal computer power supply (rated 4 amps at 12v continous) would work fine for packet. Since these supplies can be picked up cheaply at hamfests, compuer shows, junk bins, etc it's worth a shot.

Before you hook up any power supply to your radio, check it for voltage, ac ripple and polarity before using. Also note that most 12 volt radios really want 13.8 volts so they will run slightly under power at 12 volts.

73

Geoff.

--

Geoffrey S. Mendelson N30WJ  
(215) 242-8712  
gsm@mendelson.com or uunet!gsm001!gsm

-----  
Date: Thu, 1 Jul 1993 15:03:53 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!cass.ma02.bull.com!petra!  
popovich@network.UCSD.EDU  
Subject: QST  
To: info-hams@ucsd.edu

>I received the May and July issues of QST, but no June issue.  
>Is that how it works or did I miss one?

I think somebody at your Post Office, and somebody at mine, too, must be a ham. I received the May and June issues of QST, but although the library here got its copy of the July issue of QST a week or two ago, I still have not received my copy. If it eventually arrives with soup stains on several of the pages from being read at lunch breaks, I'll have a pretty good idea of why it was late.

-Steve, WB3I

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Date: 1 Jul 93 11:33:53 -0600  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!gatech!  
nntp.msstate.edu!nntp.memst.edu!cse\_test@network.UCSD.EDU  
Subject: Radio Stores in Huntsville, AL  
To: info-hams@ucsd.edu

I was wondering if anyone knows of any Amateur Radio stores in Huntsville, AL.  
I will be there next week and would like to visit one if there is one there.

Thanks,  
Greg.

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End of Info-Hams Digest V93 #805  
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